

Figure 1 (Prior Art)

10 →

EMPLOYEE			
Employee Name	Social Security #	Address	Salary
Johnson	100-10-1000	Minneapolis	50,000
Anderson	200-20-2000	Milwaukee	
Rodriguez	300-30-3000	Cleveland	30,000

Figure 2 (Prior Art)

40 →

PROJECT	
Project Name	Project Size
Red	Large
Yellow	Medium
Green	Small

Figure 3 (Prior Art)

60 →

EMPLOYEE PROJECT	
Project Name	Employee Name
Red	Johnson
Red	Anderson
Yellow	Rodriguez
Green	Rodriguez

Figure 4

100 →

O	E	A	V
Entity Instance Identifier	Entity Type Identifier	Attribute Type Identifier	Attribute Value

Figure 5

100 →

O	E	A	V
Object ID	Employee	Salary	50,000

Figure 6

				102	104	106	108
				O	E	A	V
101	1	Employee	Employee Name	Johnson	100		
	1	Employee	Social Security	100-10-1000			
	1	Employee	Address	Minneapolis			
	1	Employee	Salary	50,000			
101	2	Employee	Employee Name	Anderson			
	2	Employee	Social Security	200-20-2000			
	2	Employee	Address	Milwaukee			
101	3	Employee	Employee Name	Rodriguez			
	3	Employee	Social Security	300-30-3000			
	3	Employee	Address	Cleveland			
	3	Employee	Salary	30,000			
101	20	Project	Project Name	Red			
	20	Project	Size	Large			
101	21	Project	Project Name	Yellow			
	21	Project	Size	Medium			
101	22	Project	Project Name	Green			
	22	Project	Size	Small			

Figure 7

O	E	A	V
1	Employee	First Name	Sue
1	Employee	Spouse	Joe
1	Employee	Title	President

Figure 8

O	E	A	V
1	Employee	Employee Name	Johnson
20	Project	Project Name	Red
1	Employee	Project	20

Diagram 100: A table with 4 columns (O, E, A, V) and 6 rows. The first row is a header. The second row contains '1', 'Employee', 'Employee Name', and 'Johnson'. The third row is empty. The fourth row contains '20', 'Project', 'Project Name', and 'Red'. The fifth row is empty. The sixth row contains '1', 'Employee', 'Project', and '20'. Arrows point from the '20' in the fourth row to the 'Project' in the sixth row, and from the '1' in the sixth row to the 'Employee' in the sixth row.

Figure 9

O	E	A	V
1	Employee	Employee Name	Johnson
20	Project	Project Name	Red
20	Project	Employee	1

Diagram 100: A table with 4 columns (O, E, A, V) and 6 rows. The first row is a header. The second row contains '1', 'Employee', 'Employee Name', and 'Johnson'. The third row is empty. The fourth row contains '20', 'Project', 'Project Name', and 'Red'. The fifth row is empty. The sixth row contains '20', 'Project', 'Employee', and '1'. Arrows point from the '20' in the fourth row to the 'Employee' in the sixth row, and from the '1' in the sixth row to the 'Employee' in the sixth row.

Figure 10

O	E	A	V
1	Employee	Employee Name	Johnson
:	:	:	:
:	:	:	:
:	:	:	:
22	Project	Size	Small
1	Employee	Project	20
2	Employee	Project	20
3	Employee	Project	21
3	Employee	Project	22
20	Project	Employee	1
20	Project	Employee	2
21	Project	Employee	3
22	Project	Employee	3

Diagram 100: A table with 4 columns (O, E, A, V) and 14 rows. The first row is a header. The second row contains '1', 'Employee', 'Employee Name', and 'Johnson'. The next three rows contain vertical ellipses. The eighth row contains '22', 'Project', 'Size', and 'Small'. The next seven rows contain various combinations of 'Employee', 'Project', and numerical values. The last row contains '22', 'Project', 'Employee', and '3'. Arrows point from the '20' in the eighth row to the 'Employee' in the last row, and from the '1' in the last row to the 'Employee' in the last row.